## ■ Warranty Information

Cooler Master guarantees that this device is free of defect in material and workmanship, and provides a two-year limited hardware warranty for the device commencing from the date of purchase. Please keep your receipt for proof of purchase.

This product is designed for computer usage only. Using this device in any other capacity voids the warranty. If you are not familiar with computer hardware installation, please ask for professional assistance.

The warranty offered covers normal use. Defect or damage that result from improper operation, storage, misuse or abuse, accident or neglect, which are not the fault of Cooler Master, are exclude from warranty coverage.

**Note:** the warranty is voided by removal or alternation of product or parts identification labels.

## ■ Product Overview

### Specifications:

| | |
|---|---|
| Available Color | Silver/Black |
| Dimensions | L480 x W205 x H445 mm |
| Weight | 6.3 kg |
| Material | Aluminum |
| M/B Type | ATX , M-ATX |
| 5.25" Drive Bay | 4 (Exposed) |
| 3.5" Drive Bay | 2 (Exposed); 4 (Hidden) |
| Cooling System | One Blue LED 120X120X25mm forward mounted fan (in draught) One 120x120x25mm rear fan (Exhaust) |
| I/O Panel | USB2.0 x 2; MIC x 1; SPK x 1; IEEE1394 x 1 |
| Power Supply | Standard ATX PS2 (option) |

Product specifications are subject to change without notice。

## ■ Diagram

MIC — SPEAKER
USB   IEEE 1394
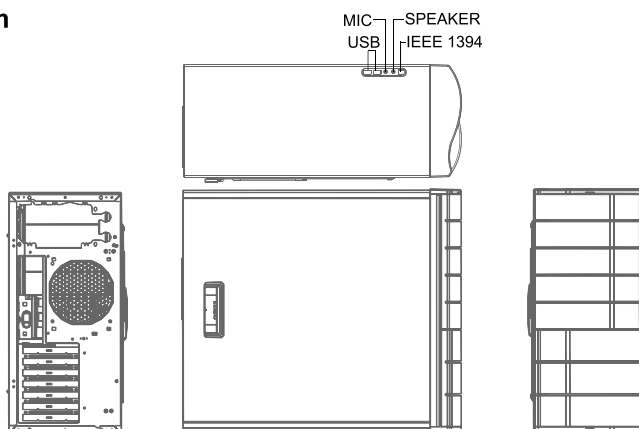
## ■ Parts list
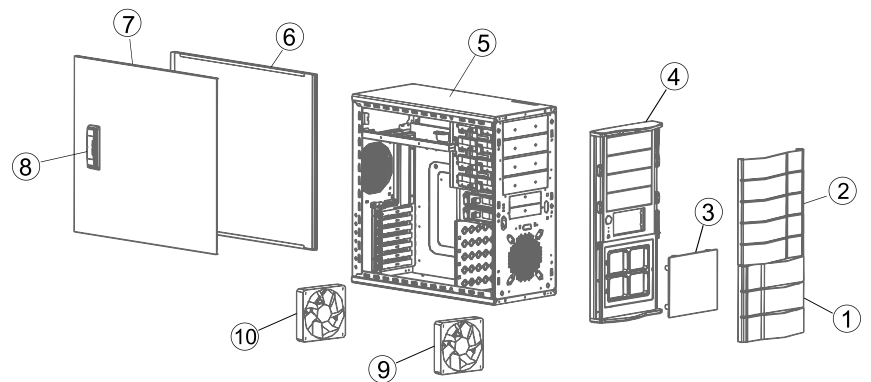


| Item | Part Name | Q'ty |
|------|-----------|------|
| 1 | Small Aluminum Faceplate | 1 |
| 2 | Large Aluminum Faceplate | 1 |
| 3 | Air intake guard mesh | 1 |
| 4 | Plastic Panel | 1 |
| 5 | Casing | 1 |

| Item | Part Name | Q'ty |
|------|-----------|------|
| 6 | Right Side Casing | 1 |
| 7 | Left Side Casing | 1 |
| 8 | Side Panel Handle | 1 |
| 9 | LED fan | 1 |
| 10 | Standard  fan | 1 |

## ■ Fittings pack

| Figure | Name | Q'ty | Used for |
|--------|------|------|----------|
| | Hard Disk Slide Rail | 8 | Hard Disk Fixing |
| | 6.5mm Inner/outer thick copper post | 13 | Screw on the Main board tray |
| | Magnetic Loop | 1 | Anti-electromagnetic wave |
| | 6*6 Round Head Screws | 9 | Screw on the Main board tray |
| | M3*7 Screws | 9 | Secures CD ROM |
| | 6*6 Hexagonal Screw | 4 | Power supply |

# ■ Installation

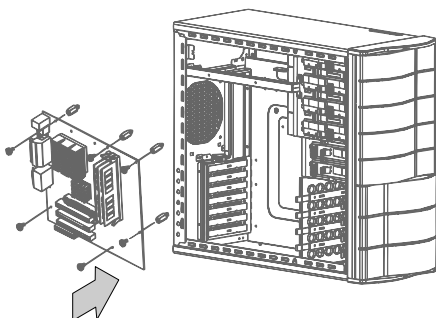## 1. Removing left side panels

(1). Press and push the side panel handle forward with your thumb.
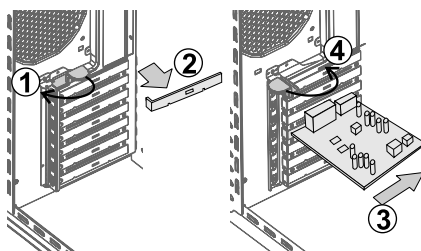
(2). Rotate to open the side panel;
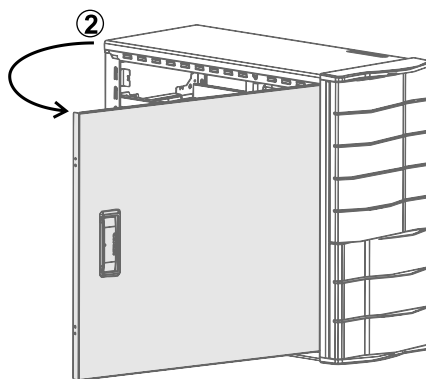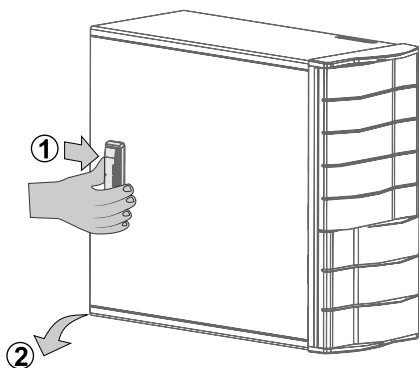


## 2. Installing the Motherboard

(1). Lie down the casing.

(2). Aiming at the holes on the PCB, and secure the alumnus post with screws.

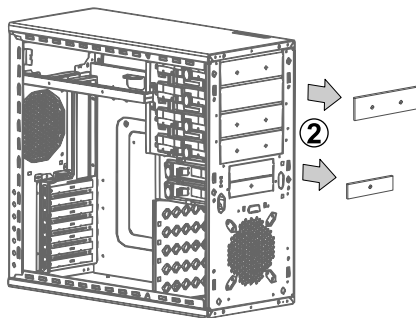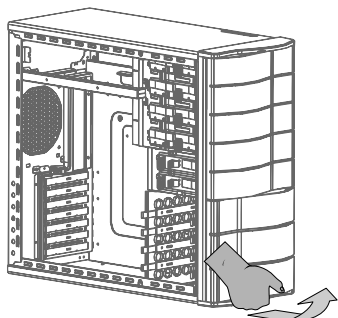(3). Align the holes of PCB and casing. Secure them by fastening screws on the PCB;



## 3. Install add-on card

(1). Grasp the handle and turn it upwards to open.

(2). Take out the card.

(3). Insert the add-on card.

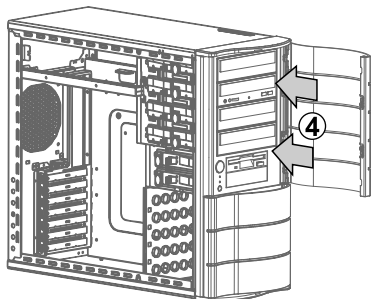(4). Close the handle;

## 4. Installing Drives CD-ROM, FDD

(1). Hands on where is indicated by an arrow and exert some force to remove the front panel.

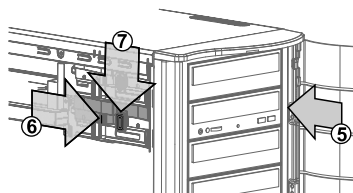(2).Remove the 3.5 and 5.25″ shield.





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(3). Line up the front panel with the holes in the panel groove and slot into place.





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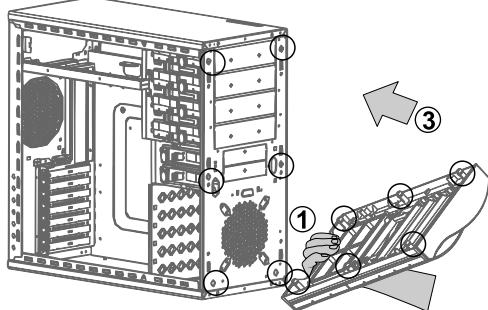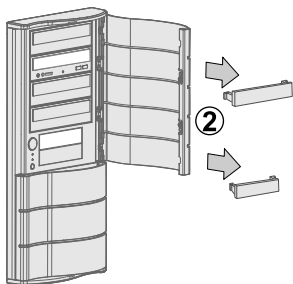
(4). Insert the CD-ROM, FDD.



(5). Insert the hardware device in place; Align the screw holes of the device with Those of the HDD rack.

(6). Push forward the plastic handling and tightening it.

(7). Push the lock and the installation is done;

## 5. Installing the hard disk

(1). Take out the HDD rail from the package. Install it on the HDD and have the screw holes aligned.
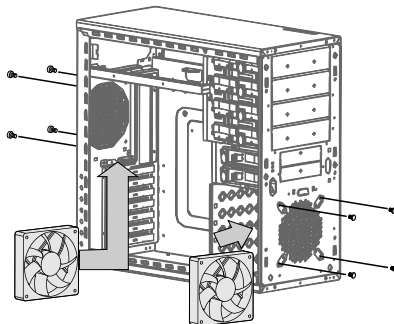(2). Insert the assembled HDD into the hardware rack;
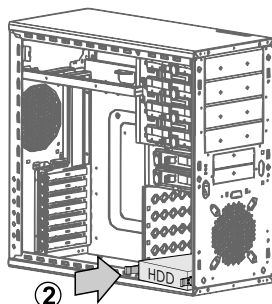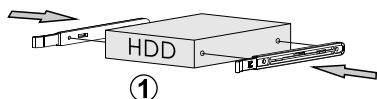


## 6. Installing the power device

(1). Place the power supply in the power supply bracket with the power cord side facing forwards.
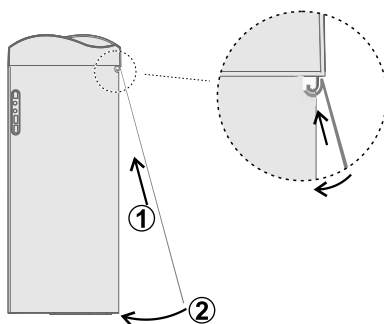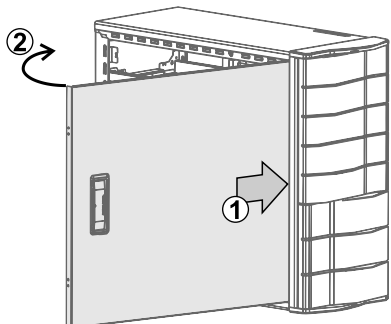(2). Secure the power supply device with screws;
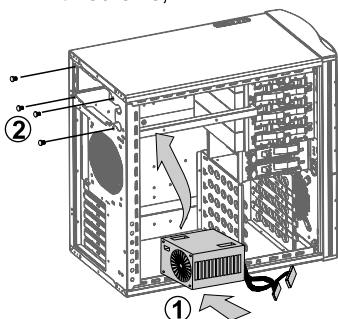


## 7. Replacing/Installing Fans

(1). Undo the fan screws from the front and rear casing and remove the fan
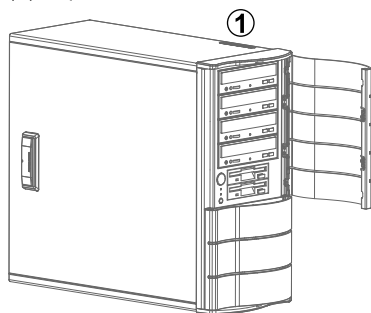(2). Install the new fan and secure it with screws;



## 8. Installing the Side Panel

(1). Fix the front end of the side panel in position.
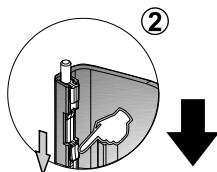(2). Gently rotate the side panel to the rear and the side panel can be fixed in place;
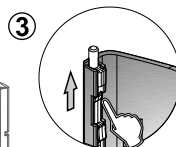
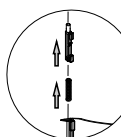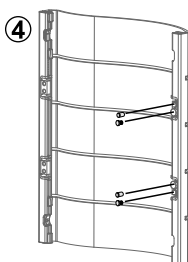## 9.Changing the door opening direction

(1). Open the aluminum door.

①

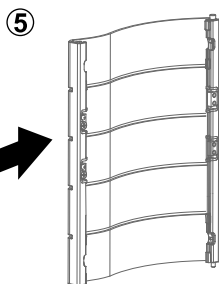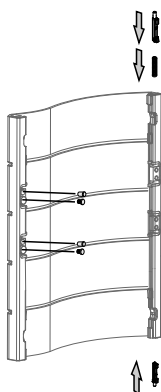(2). Pull out the door hinge and
remove the panel.

②

(3). Remove the door hinge and spring
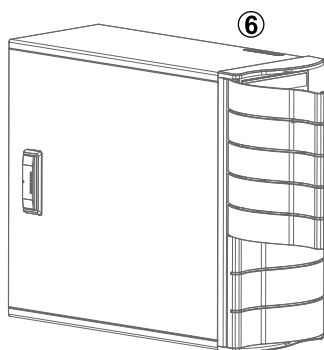from top and remove the door hinge
from bottom.

(4). Undo the screw and remove the
rubber pad.

④

③

(5). Install the screw, rubber pad, door
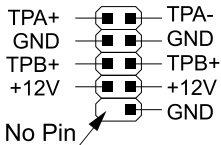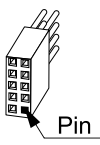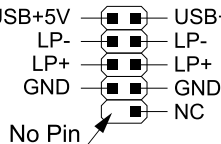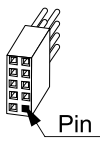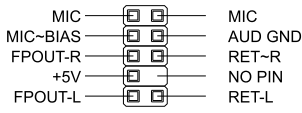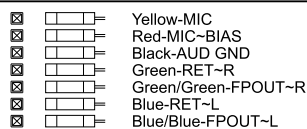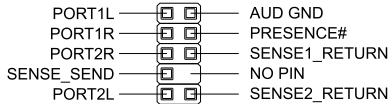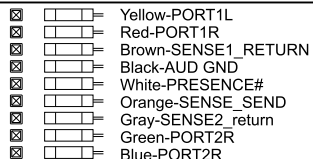hinge and spring on the other side of
the aluminum panel.

⑤

(6). Slot the door hinge into the
corresponding groove to open the
aluminum door from the opposite
side;

⑥

## ■ I/O Function Panel Installation Guide

- Please refer to the illustration on the section of USB2.0, IEEE 1394a, and Audio connector from the motherboard user manual. Please select the motherboard which used the same USB2.0, IEEE1394, AC'97,HD Audio standard as below; otherwise, it will cause damages to device(s).
- The following illustration is a connection diagram for the front panel I/O cable.
- NEVER connect an IEEE1394 cable to the USB2.0 connector. Doing so will damage the device.
- NEVER connect a USB2.0 cable to the IEEE1394 connector. Doing so will damage the device.
- On some motherboards, the connectors for IEEE1394, USB2.0 and Audio are not the same as the drawing below. Please check with your motherboard manual before installing.

| Motherboard | Cable |
|---|---|
| Front panel IEEE 1394 connector | IEEE 1394 connector |

TPA+ — TPA-
GND — GND
TPB+ — TPB+
+12V — +12V
— GND
No Pin

Pin

| Front panel USB connector | USB connector |
|---|---|

USB+5V — USB+5V
LP- — LP-
LP+ — LP+
GND — GND
— NC
No Pin

Pin

| AC'97 | AC'97 Connector |
|---|---|

MIC — MIC
MIC~BIAS — AUD GND
FPOUT-R — RET~R
+5V — NO PIN
FPOUT-L — RET-L

Yellow-MIC
Red-MIC~BIAS
Black-AUD GND
Green-RET~R
Green/Green-FPOUT~R
Blue-RET~L
Blue/Blue-FPOUT~L

| Azalia (Intel High Definition Audio) | HD Connector |
|---|---|

PORT1L — AUD GND
PORT1R — PRESENCE#
PORT2R — SENSE1_RETURN
SENSE_SEND — NO PIN
PORT2L — SENSE2_RETURN

Yellow-PORT1L
Red-PORT1R
Brown-SENSE1_RETURN
Black-AUD GND
White-PRESENCE#
Orange-SENSE_SEND
Gray-SENSE2_return
Green-PORT2R
Blue-PORT2R